

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ahmet Kirac</td> <td>03/23/2012</td> </tr> <tr> <td>Adnan Sahin</td> <td>03/23/2012</td> </tr> <tr> <td>Marik Marshak</td> <td>03/21/2012</td> </tr> <tr> <td>Amnon Naamad</td> <td>03/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ahmet Kirac	03/23/2012	Adnan Sahin	03/23/2012	Marik Marshak	03/21/2012	Amnon Naamad	03/23/2012
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Ahmet Kirac	03/23/2012										
Adnan Sahin	03/23/2012										
Marik Marshak	03/21/2012										
Amnon Naamad	03/23/2012										
RECEIVING PARTY DATA											
Name:	EMC Corporation										
Street Address:	176 South Street										
City:	Hopkinton										
State/Country:	MASSACHUSETTS										
Postal Code:	01748										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13431071</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13431071						
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Application Number:	13431071										
CORRESPONDENCE DATA											
Fax Number:	(978)264-9119										
Phone:	978-264-4001										
Email:	cmorrisette@smmalaw.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
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ATTORNEY DOCKET NUMBER:	130-104 EMC-11-830										
NAME OF SUBMITTER:	John C. Gorecki										
Total Attachments: 6											

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ASSIGNMENT

WHEREAS, I, Ahmet Kirac, Adnan Sahin, Marik Marshak, and Amnon Naamad, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

**METHOD AND APPARATUS FOR ENABLING ACCESS TO TIERED SHARED STORAGE USING DYNAMIC TIER PARTITIONING**

, which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on 3/27/2012 as U.S. Application No. 13/431,071;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748, desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, I hereby further agree for me and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal as set forth below:

Date: 3/23/2012

  
\_\_\_\_\_  
Inventor's Signature

Print full name of sole or first inventor: **Ahmet Kirac**  
Residence: 7002 Blvd East Apt 11-P  
Guttenberg, NJ 07093  
Citizenship: USA  
Mailing Address: 7002 Blvd East Apt 11-P  
Guttenberg, NJ 07093

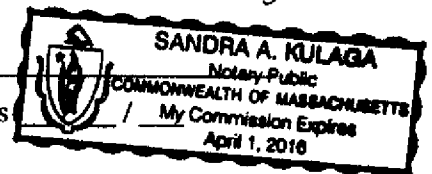
STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 23 day of MARCH, 2012, then personally appeared before me the  
above-named Ahmet Kirac known to me through satisfactory evidence of identification   
employee identification card;  driver's license;  (other)

\_\_\_\_\_ to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and  
deed for the purposes therein contained.

  
\_\_\_\_\_  
Notary Public

Print Name: \_\_\_\_\_  
My Commission expires \_\_\_\_\_



Date: 3/23/2012

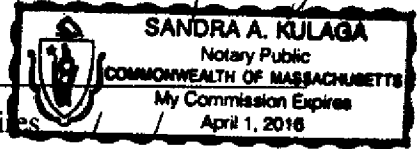
Adnan Sahin  
Inventor's Signature

Print full name of inventor: **Adnan Sahin**  
Residence: 140 Pine Grove Street  
Needham, MA 02494  
Citizenship: USA  
Mailing Address: 140 Pine Grove Street  
Needham, MA 02494

STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 23 day of MARCH, 2012, then personally appeared before me the above-named Adnan Sahin known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) PERSONALLY KNOWN TO ME to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Sandra A. Kulaga  
Notary Public  
Print Name: \_\_\_\_\_  
My Commission expires \_\_\_\_\_



Date: March 21, 2012

[Signature]  
Inventor's Signature

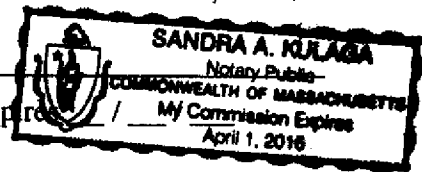
Print full name of inventor: **Marik Marshak**  
Residence: 14 Juniper Lane  
Newton, MA 02459  
Citizenship: Israel  
Mailing Address: 14 Juniper Lane  
Newton, MA 02459

STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 21 day of MARCH, 2012, then personally appeared before me the above-named Marik Marshak known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) PERSONALLY KNOWN TO ME to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]  
Notary Public

Print Name: \_\_\_\_\_  
My Commission expires \_\_\_\_\_



Date: 3/23/2012

Amnon Naamad  
Inventor's Signature

Print full name of inventor: **Amnon Naamad**  
Residence: 84 Beals St. Unit 2  
Brookline, MA 02446  
Citizenship: USA  
Mailing Address: 84 Beals St. Unit 2  
Brookline, MA 02446

STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 23 day of MARCH, 2012, then personally appeared before me the above-named Amnon Naamad known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) PERSONALLY KNOWN TO ME to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Sandra A. Kulaga  
Notary Public

Print Name: \_\_\_\_\_  
My Commission expires \_\_\_\_\_

